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REPORT

50X1-HUM

CD NO.

COUNTRY USSR

DATE OF  
INFORMATION 1949

SUBJECT Transportation - Trailer truck

DATE DIST. 20 Jul 1949

HOW  
PUBLISHED Monthly periodicalWHERE  
PUBLISHED Moscow

NO. OF PAGES 1

DATE  
PUBLISHED Apr 1949SUPPLEMENT TO  
REPORT NO.

LANGUAGE Russian

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SOURCE Avtomobil'naya Promyshlennost', No 4, 1949THE MAZ-205A-5201 TRAILER TRUCK

The MAZ-205A tractor truck and the 12-ton MAZ 5201 semitrailer are manu-  
 factured at the Minsk Automobile Plant.

The maximum speed of the loaded tractor-trailer combination on a flat  
 paved road is 35 kilometers per hour. The fully loaded gross weight of the  
 combination is 22 tons. Operating distance on one tank of fuel is 200 kilo-  
 meters. Turning radius is 8.5 meters.

The tractor is of the two-axle, rear-wheel-drive type with a 110-horse-  
 power Diesel engine. Dimensions of the tractor are as follows: length 5,770  
 mm, width 2,615 mm, wheel base 3,800 mm, wheel gage 1,950 mm. The tires  
 (front single, rear double) have 12 x 20 inch treads; operating pressure is  
 4.5 atmospheres. The brakes of the trailer operate off the tractor's airbrake  
 system.

A bolster-coupling arrangement supports the front part of the semitrailer  
 and secures it to the tractor. The clamp is on the tractor, and the coupling  
 bolt is on the semitrailer.

Coupling is effected automatically, but incoupling is accomplished manually  
 with the aid of a lever located on the clamping part of the bolster. The bolster  
 pivots on its axis through an angle of 16 degrees 30 seconds.

The semitrailer is 6,480 mm long, 2,615 mm wide; loading volume, 14.85  
 cubic meters; loading height, 1,480 mm. It has a hand brake to hold it while  
 standing. The lever of the hand brake is located horizontally on the frame and is  
 found on the right-hand side of the center section.

The airbrake of the semitrailer consists of a single-stage system, having  
 a head, hose, valve pipe, brake valve, cock pipe, stop cock, air-feed pipe, air  
 cylinder, chamber tube, and brake chamber. The brakes of the tractor and the  
 semitrailer operate simultaneously.

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